

JAMES A. RHODES
Governor



US EPA RECORDS CENTER REGION 5



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C. V. YOUNGQUIST
Chief

May 20, 1969

Mr. Allen L. Rupp
Sanitary Engineer
Northwest District
Ohio Department of Health
111 W. Washington Street
Bowling Green, Ohio 43402

Dear Mr. Rupp:

Your letter of May 13 regarding the suitability of a landfill site in Section 4, Brown Township, Paulding County, has been received. The following is a brief description of the local geology and existing ground-water availability.

The area is covered by a layer of glacial drift consisting of lake clays and till and averaging around 40 feet in thickness. The underlying bedrock comprises several hundred feet of massive dolomite of the upper Bass Islands formation, which is the principal water-bearing horizon.

Practically all of the wells in this area are developed in the upper 20 feet of the bedrock and are cased to an average depth of 40 feet. The unconsolidated materials above the rock are not considered as a useable ground-water source.

In the report submitted by the U. S. Soil Conservation Service, statements regarding high water tables and permeabilities pertain largely to soil and near surface-water conditions. While these properties are important factors in the design and operation of a landfill with regard to drainage, the shallow water-bearing deposits are not considered as useable ground-water supplies or potential aquifers.

From the standpoint of adequate protection to nearby water wells, the site appears to be satisfactory.

Sincerely,

Russell B. Stein / rh

Russell B. Stein
Geologist
Division of Water

RBS:rh

